

Table 8-29
Industry-performed R&D as share of private-industry output, by state: 1998, 2000, and 2003

State	Industry-performed R&D (\$ millions)			Private-industry output (\$ millions)			Industry-performed R&D/ private-industry output (%)		
	1998	2000	2003	1998	2000	2003	1998	2000	2003
United States.....	163,658	192,197	198,244	7,652,499	8,614,286	9,604,156	2.14	2.23	2.06
Alabama.....	845	821	999	89,502	96,446	109,488	0.94	0.85	0.91
Alaska.....	37	48	36	18,237	22,381	25,436	0.20	0.21	0.14
Arizona.....	1,801	2,182	2,605	120,035	138,624	160,429	1.50	1.57	1.62
Arkansas.....	213	400	270	53,761	57,763	64,871	0.40	0.69	0.42
California.....	32,856	45,455	47,142	966,679	1,154,900	1,277,809	3.40	3.94	3.69
Colorado.....	3,180	3,143	3,544	126,281	152,455	165,462	2.52	2.06	2.14
Connecticut.....	3,346	4,132	5,834	132,902	146,985	158,610	2.52	2.81	3.68
Delaware.....	1,356	1,468	1,298	33,754	38,804	46,257	4.02	3.78	2.81
District of Columbia.....	598	196	235	32,759	38,167	45,698	1.83	0.51	0.51
Florida.....	3,265	3,773	3,181	364,872	412,849	487,364	0.89	0.91	0.65
Georgia.....	1,617	2,159	2,108	224,738	256,521	279,185	0.72	0.84	0.76
Hawaii.....	55	93	133	29,267	31,480	36,088	0.19	0.30	0.37
Idaho.....	1,103	1,363	745	25,577	30,379	34,716	4.31	4.49	2.15
Illinois.....	7,318	8,393	8,319	384,210	420,225	450,635	1.90	2.00	1.85
Indiana.....	2,922	2,888	3,658	161,609	175,724	192,583	1.81	1.64	1.90
Iowa.....	750	762	833	74,011	80,129	90,438	1.01	0.95	0.92
Kansas.....	1,384	1,327	1,675	65,938	72,176	80,287	2.10	1.84	2.09
Kentucky.....	606	762	601	95,206	97,146	109,376	0.64	0.78	0.55
Louisiana.....	377	364	295	103,955	118,914	125,610	0.36	0.31	0.23
Maine.....	137	255	200	27,554	30,757	35,023	0.50	0.83	0.57
Maryland.....	1,905	2,213	3,998	133,268	148,859	176,766	1.43	1.49	2.26
Massachusetts.....	10,367	10,857	11,094	215,743	253,492	271,137	4.81	4.28	4.09
Michigan.....	12,554	17,489	15,241	278,288	303,519	322,098	4.51	5.76	4.73
Minnesota.....	3,367	3,971	5,003	149,615	166,186	188,601	2.25	2.39	2.65
Mississippi.....	183	242	1,021	50,730	53,308	59,392	0.36	0.45	1.72
Missouri.....	1,505	1,978	1,742	145,297	156,173	171,295	1.04	1.27	1.02
Montana.....	63	78	65	16,567	17,732	21,324	0.38	0.44	0.30
Nebraska.....	195	335	363	44,564	47,831	55,868	0.44	0.70	0.65
Nevada.....	476	433	383	57,324	67,247	80,672	0.83	0.64	0.47
New Hampshire.....	1,138	722	1,349	35,751	39,815	43,768	3.18	1.81	3.08
New Jersey.....	11,107	10,580	11,401	282,444	310,296	354,537	3.93	3.41	3.22
New Mexico.....	1,450	1,203	349	37,472	41,188	45,734	3.87	2.92	0.76
New York.....	10,283	11,622	8,556	613,413	690,213	750,468	1.68	1.68	1.14
North Carolina.....	3,483	4,535	4,424	212,757	240,723	275,309	1.64	1.88	1.61
North Dakota.....	46	83	216	14,777	15,263	18,178	0.31	0.54	1.19
Ohio.....	5,742	6,245	6,260	312,482	331,986	354,891	1.84	1.88	1.76
Oklahoma.....	369	463	577	66,514	74,965	83,942	0.55	0.62	0.69
Oregon.....	1,345	1,533	2,973	88,720	99,265	104,523	1.52	1.54	2.84
Pennsylvania.....	7,393	8,473	7,091	325,705	353,120	400,842	2.27	2.40	1.77
Rhode Island.....	1,332	1,167	1,203	25,933	29,695	34,648	5.14	3.93	3.47
South Carolina.....	996	1,059	976	88,159	95,381	108,091	1.13	1.11	0.90
South Dakota.....	40	89	75	17,968	20,103	23,857	0.22	0.44	0.31
Tennessee.....	2,440	1,644	1,507	142,328	154,830	178,359	1.71	1.06	0.84
Texas.....	8,984	10,048	11,057	557,215	642,236	725,112	1.61	1.56	1.52
Utah.....	1,119	1,063	996	51,737	58,280	65,577	2.16	1.82	1.52
Vermont.....	114	389	360	13,912	15,426	17,838	0.82	2.52	2.02
Virginia.....	2,540	2,683	4,152	186,167	215,600	251,770	1.36	1.24	1.65
Washington.....	7,072	8,235	9,222	167,584	192,049	209,977	4.22	4.29	4.39
West Virginia.....	335	329	219	33,632	34,801	38,755	1.00	0.95	0.57
Wisconsin.....	1,929	2,415	2,623	142,961	157,044	176,351	1.35	1.54	1.49
Wyoming.....	20	37	37	12,625	14,835	19,111	0.16	0.25	0.19

NOTES: In 1998, more than 50% of industrial R&D value imputed because of raking of state data for Alaska, Arkansas, Hawaii, Louisiana, Mississippi, Nebraska, North Dakota, South Dakota, and Wyoming. In 1998, more than 50% of industrial R&D value imputed for Delaware, District of Columbia, Idaho, Kansas, New Mexico, Rhode Island, and Washington. In 2000, more than 50% of industrial R&D value imputed because of raking of state data for Alaska, District of Columbia, Hawaii, Louisiana, Mississippi, Montana, Nebraska, North Dakota, South Dakota, and Wyoming. In 2000, more than 50% of industrial R&D value imputed for Alabama, Arizona, Connecticut, Delaware, Florida, Georgia, Illinois, Indiana, Kansas, Michigan, New Mexico, Rhode Island, and Washington. In 2003, more than 50% of industrial R&D value imputed because of raking of state data for Alaska. In 2003, more than 50% of industrial R&D value imputed for Kansas and Rhode Island. Private-industry output is reported in current dollars.

SOURCES: National Science Foundation, Division of Science Resources Statistics, Survey of Industrial Research and Development, various years; and U.S. Department of Commerce, Bureau of Economic Analysis, Gross State Product data.